

CLAIMS

We claim:

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1. A method for managing a cache, comprising the acts of:

analyzing information stored in a caching profile;

responsive to the act of analyzing, selecting a preferred caching algorithm from a plurality of caching algorithms; and

determining whether a file should be included in a cache according to the preferred caching algorithm.

2. The method of claim 1, wherein the act of analyzing is performed by a predictive modeling engine.

1 3. A method for managing a cache, comprising the acts of:

2 updating a caching profile in response to arrival of a file;

3 analyzing information stored in the caching profile;

4 responsive to the act of analyzing, selecting a preferred caching algorithm from a plurality
5 of caching algorithms; and

6 determining whether the file should be included in a cache according to the preferred
7 caching algorithm.

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12 4. The method of claim 3, wherein the act of analyzing is performed by a predictive modeling
13 engine.

1 5. A method for managing a cache, comprising the acts of:

2 analyzing information stored in a caching profile by computing a plurality of metrics;

3 responsive to a comparison of the metrics one with another, selecting a preferred caching
4 algorithm from a plurality of caching algorithms; and

5 determining whether a file should be included in a cache according to the preferred
6 caching algorithm.

6 6. The method of claim 5, wherein the plurality of metrics includes clustering metrics.

7 7. The method of claim 5, wherein the plurality of metrics includes scattering metrics.

8 8. The method of claim 5, wherein the plurality of caching algorithms includes a least-used
9 caching algorithm, a most-used caching algorithm, a least-recently-used caching algorithm, and a
10 most-recently-used caching algorithm.